








Work Order ID 66501

Thursday, February 17, 2011 10:37:40 AM


Page 1

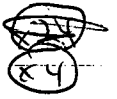
Item ID: D4095-041 Accept  Setup Start 
Revision ID: Stop 
Item Name: Wearplate Assembly
Start Date: 2/17/2011 Start Qty: 4.00  Cust Item ID:
Required Date: 2/24/2011 Req'd Qty: 4.00  Customer:
Reference:


Approvals: Process Plan: CMF Date: 11-02-17 Tooling: _____ Date: _____ Run Start 
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop 


| Sequence ID/ Work Center ID | Operation Description | Set Up/ Run Hours | Tool ID | Tool # | Plan Code | Accept Qty | Reject Qty | Reject Number | Insp. Stamp |
|--------------------------------|--------------------------|----------------------|---------|--------|--------------|---------------|---------------|------------------|----------------|
|--------------------------------|--------------------------|----------------------|---------|--------|--------------|---------------|---------------|------------------|----------------|

| Draw Nbr | Revision Nbr |
|----------|--------------|
| D4095 | A |


| | | | | | | | | | |
|--|-----------|------|------|--|--|--|--|--|--|
| 100 | Pick Kit | 0.00 | | | | | | | |
|  | Packaging | Memo | 0.00 | | | | | | |
| | Packaging | | | | | | | | |


BT 11-02-24 







| | | | | | | | | | |
|--|-----------|--|------|--|--|--|--|--|--|
| 110 | | 0.00 | | | | | | | |
|  | Small Fab | Memo | 0.00 | | | | | | |
| | Small Fab | 1- Bond gasket to inner surface of waerplate as per dwg A/R 3M Scotch grip adhesive Batch: _____ APPLY PLUS ONE ROCK GUARD PER HAND CHARGED on bag | | | | | | | |

BT 11-02-24 

Pls →
1st + 2nd try

| | | | | | | | | | |
|--|---|------|------|--|--|--|--|--|--|
| 120 | QC5- Inspect part completeness to step on W/O | 0.00 | | | | | | | |
|  | QC | Memo | 0.00 | | | | | | |
| | Quality Control | | | | | | | | |

BT 11-02-25 

| W/O: | | WORK ORDER CHANGES | | | | | | |
|----------|------|---|---|----------|-----|---|---|--|
| DATE | STEP | PROCEDURE CHANGE | By | Date | Qty | Approval Chief Eng / Prod Mgr | Approval QC Inspector | |
| 11.02.28 | 110 | AFTER ROCKGUARD IS DRY, TRANSFER DRILL Ø0.476 HOLES Per PSI 9517 REV. A. |  | 11-02-28 | x4 |  11.02.28 |  11/03/01 | |
| | 111 | QCS insert fit on mid-tube + saddle |  | 11/03/01 | x4 |  11.03.01 |  11/03/01 | |

Part No: D4095-041 PAR #: _____ Fault Category: SKETCHES NCR: Yes No DQA: ✓ Date: 11/03/08
 Resolution: REWORK Disposition: REWORK QA: N/C Closed: ✓ Date: 11/03/08

| NCR: <u>66501</u> | | WORK ORDER NON-CONFORMANCE (NCR) | | | | | | |
|-------------------|------|--|-----------------------------|--|----------------|---------------------------|-----------------------|--------------------------|
| DATE | STEP | Description of NC Section A | Corrective Action Section B | | | Verification Section C | Approval Chief Eng | Approval QC Inspector |
| | | | Initial Chief Eng | Action Description Chief Eng | Sign & Date | | | |
| 11/03/01 | 110 | After driven pilot hole in wear plate for saddles. employee noticed that they were not fining up. (First Attempt to drill out) | BT | → make/clean better drilling ADD A to DTA* and log them into the DT Book. DT9720 | 11-03-01 | 11/03/01 | 11/03/01 | 11/03/01 |
| | | | | Drill holes in correct location | 11-03-01 | 11/03/01 | | |
| | | R.C. tooling wasn't adequate enough to do this job R.C. - Tooling - New process. | BT | Fill the pilot hole markings with weld M114509 | 11-31 | 11/03/01 | 11/03/01 | 11/03/01 |
| | | | | Build inside + outside flush. | 11-31 | 11/03/01 | | |
| | | | BT | Re Apply PK (or touch up) and Rock Guard per 057004 | 11-03-01 | 11/03/01 | 11/03/01 | 11/03/01 |

NOTE: Date & initial all entries

| W/O: | | WORK ORDER CHANGES | | | | | |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|
| DATE | STEP | PROCEDURE CHANGE | By | Date | Qty | Approval Chief Eng / Prod Mgr | Approval QC Inspector |
| | | | | | | | |
| | | | | | | | |

Part No: D4095-041 PAR #: _____ Fault Category: Skidplate NCR: ☒ Yes No DQA: / Date: 11/03/08
 Resolution: accepted Disposition: rework QA: N/C Closed: / Date: 11/03/08

| NCR: <u>66501</u> | | WORK ORDER NON-CONFORMANCE (NCR) | | | | | | |
|-------------------|-------------|--|---------------------------------------|--|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|
| DATE | STEP | Description of NC Section A | Corrective Action Section B | | | Verification Section C | Approval Chief Eng | Approval QC Inspector |
| | | | Initial Chief Eng | Action Description Chief Eng | Sign & Date | | | |
| <u>11/03/01</u> | <u>#110</u> | <u>Qty +1 wear plate holes didn't align correctly</u> <u>R.C. Process</u> | <u>[Signature]</u> <u>11/02/08</u> | <u>Drill out holes for 2 3</u> <u>saddle to 1/2" -</u> <u>ACCEPTABLE THIS W/O ONLY.</u> <u>SEE ATTACHED EMAIL.</u> | <u>[Signature]</u> <u>11-02-28</u> | <u>[Signature]</u> <u>11/03/01</u> | <u>[Signature]</u> <u>11/03/01</u> | <u>[Signature]</u> <u>11/03/01</u> |
| | | | | | | | | |
| | | | | | | | | |

NOTE: Date & initial all entries

Picklist Print

Thursday, February 17, 2011 10:37:36 AM

Page 1

Work Order ID: 66501



Parent Item: D4095-041



Parent Item Name: Wearplate Assembly





Start Date: 2/17/2011

Required Date: 2/24/2011

Start Qty: 4.00

Required Qty: 4.00

Comments: IPP Rev:A new issue DD 10.04.26 verified by:EC

| Component Item ID/ Item Name | Replacement Item ID | Mfg/ Purch | Bin Item | Primary Location | Last Location | Route Seq ID | Unit of Measure | Qty on Hand | Qty per Kit | Total Qty | Qty Issued | Date Issued | Status |
|--|------------------------|---------------|-------------|---------------------|------------------|-----------------|--------------------|----------------|---|--------------|---------------|----------------|--------|
| D4095-1  Wearplate | | Manufactured | No | | | 100 | Each | 0.0000 | 1 | 4 | | | |
| | | | | | | 66053 | x4 | |  | | | ET 11-02-24 | |
| D4096-1  Gasket | | Manufactured | No | | | 100 | Each | 2.0000 | 1 | 4 | | | |
| | | | | | | | | |  | | | | |

Location

ENG

58019

Loc Qty

2

2

Loc Code

N
11
mk
11-03-07

| W/O: | | WORK ORDER CHANGES | | | | | |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|
| DATE | STEP | PROCEDURE CHANGE | By | Date | Qty | Approval Chief Eng / Prod Mgr | Approval QC Inspector |
| | | | | | | | |
| | | | | | | | |

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

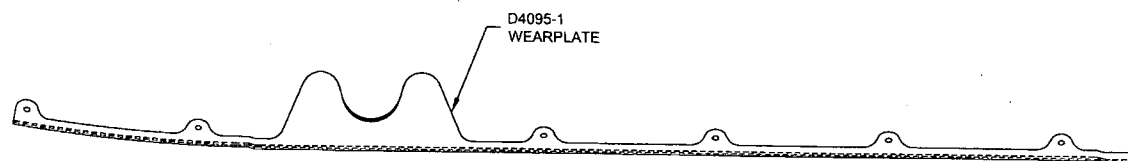
Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

| NCR: | | WORK ORDER NON-CONFORMANCE (NCR) | | | | | | |
|------|------|----------------------------------|-----------------------------|---------------------------------|----------------|---------------------------|-----------------------|--------------------------|
| DATE | STEP | Description of NC Section A | Corrective Action Section B | | | Verification Section C | Approval Chief Eng | Approval QC Inspector |
| | | | Initial Chief Eng | Action Description Chief Eng | Sign & Date | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

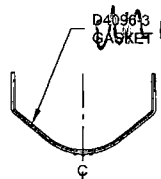
NOTE: Date & initial all entries

| ITEM | QTY -041 | QTY -043 | PART NUMBER | DESCRIPTION |
|------|----------|----------|-----------------|-------------------------|
| 1 | X | | D4095-041 | WEARPLATE ASSEMBLY |
| 2 | | X | D4095-043 | WEARPLATE ASSEMBLY |
| 3 | 1 | | D4095-1 | WEARPLATE |
| 4 | | 1 | D4095-3 | WEARPLATE |
| 5 | 1 | | D4096-1 | GASKET |
| 6 | | 1 | D4096-3 | GASKET |
| 7 | A/R | A/R | 1300 (OR 1300L) | 3M SCOTCH-GRIP ADHESIVE |

11.02.17 4714 PWS ONB ROCKGARD



D4095-041 WEARPLATE ASSEMBLY



D4095-043 WEARPLATE ASSEMBLY

D4095-041/-043 NOTES:

- 1) MATERIAL: N/A
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: IDENTIFY WITH DART P/N "D4095-04X" AND B/N "BXXXXX" USING FINE POINT PERMANENT INK MARKER
- 7) WEIGHT: D4095-041 = 2.60 lbs; D4095-043 = 2.58 lbs
- 8) AFTER FINISH, BOND GASKET TO INNER SURFACE OF WEARPLATE USING A THIN LAYER OF 3M 1300/1300L SCOTCH GRIP ADHESIVE
- 9) PARTS ARE SYMMETRIC ABOUT C

COAT INSIDE SURFACE USING

PWS ONB ROCKGARD, 0-020-0.040 THICK 11.02.17

| REV. | DESCRIPTION | MB | 10.04.20 |
|------------|-------------|----|----------|
| DESIGN | | BY | DATE |
| DRAWN | | | |
| CHECKED | | | |
| MFG. APPR. | | | |
| APPROVED | | | |
| DE APPR. | | | |
| DATE | 10.04.20 | | |

DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA

DRAWING NO. D4095
REV. A
SHEET 1 OF 4
TITLE WEARPLATE
SCALE NTS

COPYRIGHT © 2010 BY DART AEROSPACE LTD
THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.

RELEASED
2010-09-07

Dart Aerospace Ltd

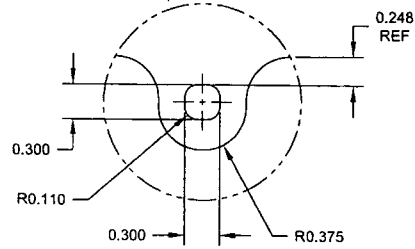
| W/O: | | WORK ORDER CHANGES | | | | | |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|
| DATE | STEP | PROCEDURE CHANGE | By | Date | Qty | Approval Chief Eng / Prod Mgr | Approval QC Inspector |
| | | | | | | | |
| | | | | | | | |

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

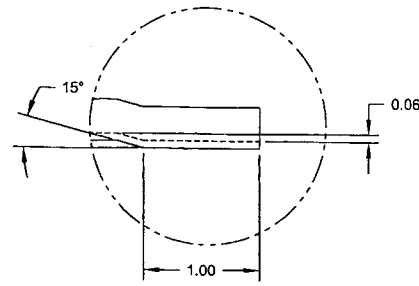
| NCR: | | WORK ORDER NON-CONFORMANCE (NCR) | | | | | | |
|------|------|----------------------------------|-----------------------------|---------------------------------|----------------|---------------------------|-----------------------|--------------------------|
| DATE | STEP | Description of NC Section A | Corrective Action Section B | | | Verification Section C | Approval Chief Eng | Approval QC Inspector |
| | | | Initial Chief Eng | Action Description Chief Eng | Sign & Date | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

NOTE: Date & initial all entries



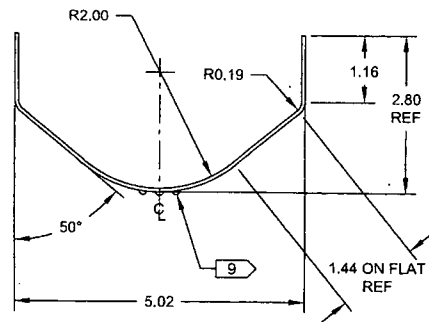
DETAIL A: TAB DETAIL

SCALE 4X
C3-2
C6-3



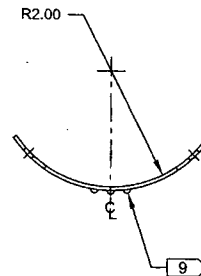
DETAIL B: JOGGLE DETAIL

SCALE 4X
B2-2
B6-2
B4-3
B7-3



SECTION C-C

SCALE 2X
B5-2
B4-3



SECTION D-D

SCALE 2X

#66501

RELEASED
2010-09-87

| | | | |
|------------|----------|--|--------------|
| DESIGN | | DART AEROSPACE LTD | |
| DRAWN | | HAWKESBURY, ONTARIO, CANADA | |
| CHECKED | | DRAWING NO. | REV. A |
| MFG. APPR. | | D4095 | SHEET 4 OF 4 |
| APPROVED | | TITLE | SCALE |
| DE APPR. | | WEARPLATE | NTS |
| DATE | 10.04.20 | <small>COPYRIGHT © 2010 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR REPRODUCED IN ANY MANNER WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small> | |

| W/O: | | WORK ORDER CHANGES | | | | | |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|
| DATE | STEP | PROCEDURE CHANGE | By | Date | Qty | Approval Chief Eng / Prod Mgr | Approval QC Inspector |
| | | | | | | | |
| | | | | | | | |

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

| NCR: | | WORK ORDER NON-CONFORMANCE (NCR) | | | | | | |
|------|------|----------------------------------|-----------------------------|---------------------------------|----------------|---------------------------|-----------------------|--------------------------|
| DATE | STEP | Description of NC Section A | Corrective Action Section B | | | Verification Section C | Approval Chief Eng | Approval QC Inspector |
| | | | Initial Chief Eng | Action Description Chief Eng | Sign & Date | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

NOTE: Date & initial all entries

DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D412-742 REV. D
AND INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D412-742 REV. 3

REF. CANADIAN STC: SH05-37
REF. FAA STC: SR01583SE
REF. EASA STC: EASA.IM.R.S.01126

PURPOSE:

The purpose of this service instruction is to introduce an alternate wearplate installation for the D412-742-011/-013 Skidtube Installations. The new DSI-9517-011 Wearplate Kit consists of new wearplates and gaskets destined to replace existing D3564-1/-3 Wearshoes and D3566-1/-3 Gaskets. The components in the DSI-9517-011 Wearplate Kit are as defined in the parts list on sheet 4 of this service instruction.

INSTALLATION PROCEDURE:

Replace D3564-1/-3 Wearshoes and D3566-1/-3 Gaskets with D4095-041/-043 Wearplates Assemblies as follows:

1. Remove existing D3564-1/-3 Wearshoes and D3566-1/-3 Gaskets per Item 32.6.1 of ICA-D412-742. It might be necessary to loosen the aft end of D3564-5 Wearshoe and D3566-5 Gasket.
2. Remove qty.(4) AN4C52A Bolts, D3403-1 Bushings, and qty.(8) D3672-11 Washers as indicated in Figures 1 and 2 of this service instruction.
3. Inspect the skidtube and saddles per Chapter 5 of ICA-D412-742.
4. Seal existing inserts located on both sides of the skidtube in area shown in Figures 1 and 2 of this service instruction using Sikaflex -241/-291 or Proseal 890 or MIL-S-8802 Class 2B sealant.
5. Locate the DSI-9517-011 Wearplate Kit as shown in Figure 1 and 2 of this service instruction.
6. Transfer drill qty.(2) Ø0.438 hole from the skidtube/saddle to the D4095-041/-043 Wearplates Assemblies. Deburr. Touch up finish per Item 5.2.14 of ICA-D412-742 as required.
7. Install the DSI-9517-011 Wearplate Kit using the same AN3C hardware as shown in ICA-D412-742. Torque to 15-25 in-lbs (1.7-2.8 N-m).
8. Install D3403-5 Bushings and AN4C53A Bolts in lieu of D3403-1 Bushings and AN4C52A Bolts removed at step 2 above. Ensure that the nuts on the AN4C Bolts are on the inboard side of the skidtube. Torque to 50-70 in-lbs (5.7-7.9 N-m).
9. Amend weight and balance per the Weight and Balance Table below.

WEIGHT AND BALANCE:

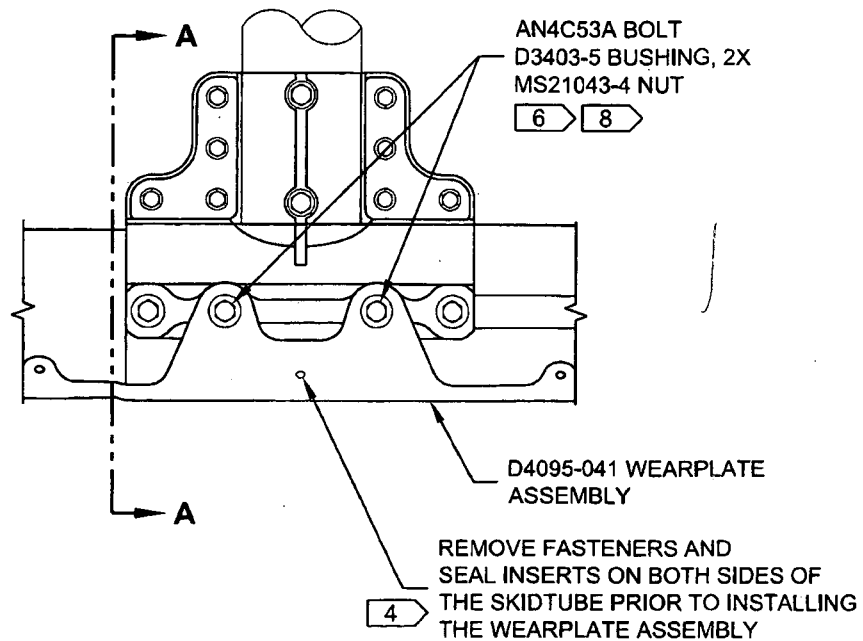
Use the following weight and balance information for DART D412-742-011/-013 skidtube and saddle installations equipped with DSI-9517-011 Wearplate Kit.

| INSTALLATION | WEIGHT | LATERAL | | LONGITUDINAL | |
|---|--------------------|---------------------|---------------------------|-----------------|------------------------|
| | | ARM | MOMENT | ARM | MOMENT |
| D412-742-011 <i>Float Skidtube Installation with DSI-9517-011 Kit Installed</i> | 70.0 lb 31.8 kg | ±55.0 in ±1.40 m | ±3850 in-lb ±44.5 m-kG | 130 in 3.3 m | 9100 in-lb 105 m-kG |
| D412-742-013 <i>Float Skidtube Installation with DSI-9517-011 Kit Installed</i> | 70.0 lb 31.8 kg | ±55.0 in ±1.40 m | ±3850 in-lb ±44.5 m-kG | 130 in 3.3 m | 9100 in-lb 105 m-kG |

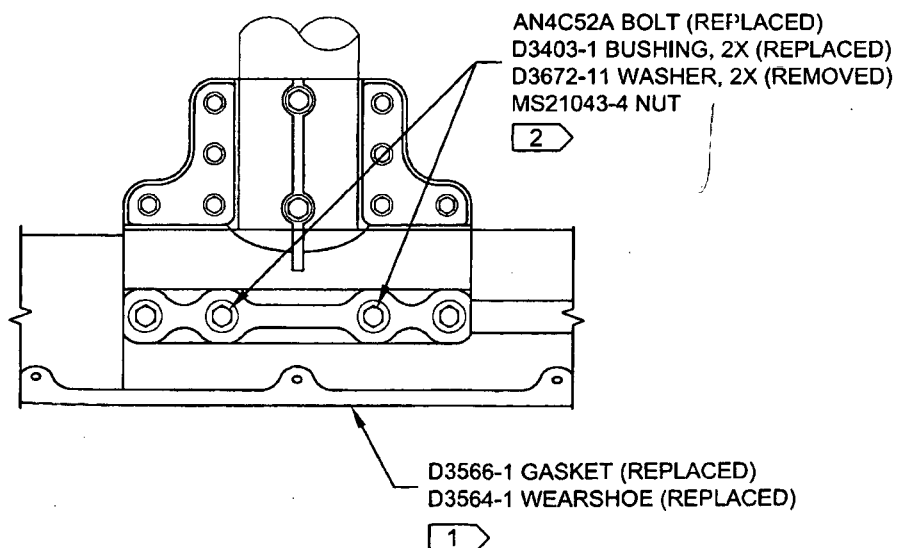
REFERENCE ONLY

| | | | |
|------------|-------------|--|--------------|
| A | NEW ISSUE | MB | 10.04.21 |
| REV. | DESCRIPTION | BY | DATE |
| DESIGN | | DART AEROSPACE USA, INC | |
| DRAWN | | PORT HADLOCK, WA | |
| CHECKED | | DRAWING NO. | REV. A |
| MFG. APPR. | N/A | DSI 9517 | SHEET 1 OF 6 |
| APPROVED | | TITLE | SCALE |
| DE APPR. | | ALTERNATE WEARPLATE KIT | NTS |
| DATE | 10.04.21 | COPYRIGHT © 2010 BY DART AEROSPACE USA, INC THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC. | |

IS:

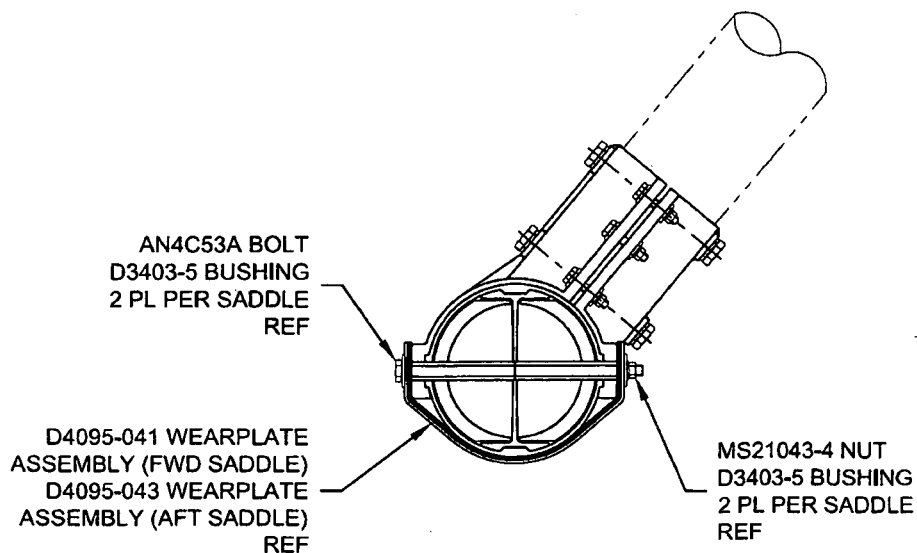


WAS:



**FIGURE 1: CHANGE AT FORWARD SADDLE LOCATION
WITH DSI-9517-011 KIT INSTALLED**

| | | | |
|------------|----------|--|--------------|
| DESIGN | | DART AEROSPACE USA, INC | |
| DRAWN | | PORT HADLOCK, WA | |
| CHECKED | 92 | DRAWING NO. | REV. A |
| MFG. APPR. | N/A | DSI 9517 | SHEET 2 OF 6 |
| APPROVED | 100 | TITLE | SCALE |
| DE APPR. | 100 | ALTERNATE WEARPLATE KIT | NTS |
| DATE | 10.04.21 | COPYRIGHT © 2010 BY DART AEROSPACE USA, INC THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC. | |



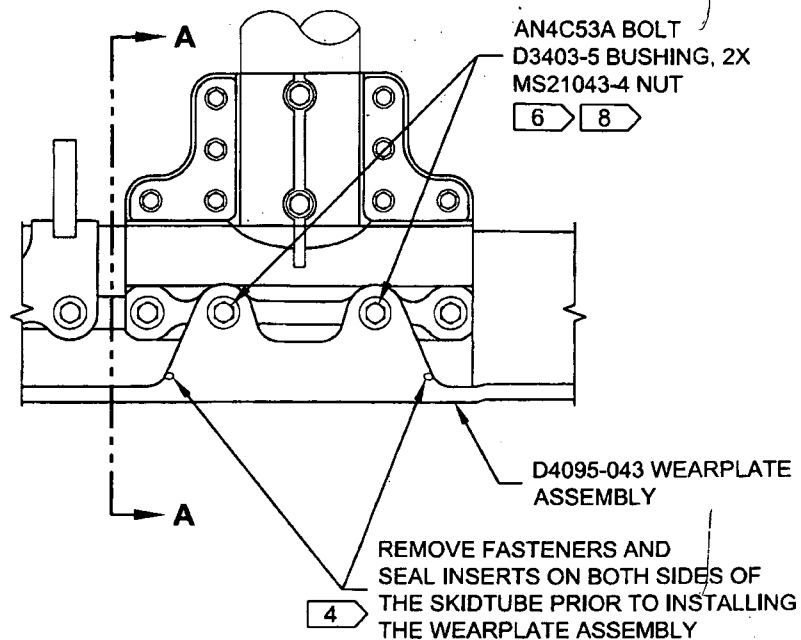
SECTION A-A

DSI-9517-011 PARTS LIST:

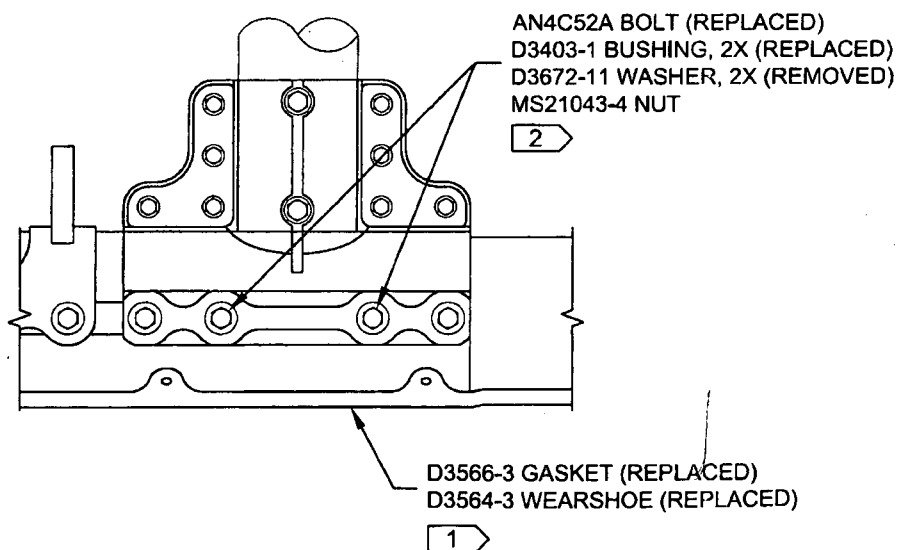
| QTY -011 | PART NUMBER | DESCRIPTION |
|-------------|--------------|--------------------|
| X | DSI-9517-011 | WEARPLATE KIT |
| 8 | D3403-5 | BUSHING |
| 1 | D4095-041 | WEARPLATE ASSEMBLY |
| 1 | D4095-043 | WEARPLATE ASSEMBLY |
| 4 | AN4C53A | BOLT |

| | | | |
|------------|--------------------|--|--------------|
| DESIGN | <i>[Signature]</i> | DART AEROSPACE USA, INC PORT HADLOCK, WA | |
| DRAWN | <i>[Signature]</i> | | |
| CHECKED | <i>[Signature]</i> | DRAWING NO. | REV. A |
| MFG. APPR. | N/A | DSI 9517 | SHEET 4 OF 6 |
| APPROVED | <i>[Signature]</i> | TITLE | SCALE |
| DE APPR. | <i>[Signature]</i> | ALTERNATE WEARPLATE KIT | NTS |
| DATE | 10.04.21 | <small>COPYRIGHT © 2010 BY DART AEROSPACE USA, INC THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.</small> | |

IS:



WAS:



**FIGURE 2: CHANGE AT AFT SADDLE LOCATION
WITH DSI-9517-011 KIT INSTALLED**

| | | | |
|------------|--------------------|--|--------------|
| DESIGN | <i>[Signature]</i> | DART AEROSPACE USA, INC | |
| DRAWN | <i>[Signature]</i> | PORT HADLOCK, WA | |
| CHECKED | <i>[Signature]</i> | DRAWING NO. | REV. A |
| MFG. APPR. | N/A | DSI 9517 | SHEET 3 OF 6 |
| APPROVED | <i>[Signature]</i> | TITLE | SCALE |
| DE APPR. | <i>[Signature]</i> | ALTERNATE WEARPLATE KIT | NTS |
| DATE | 10.04.21 | COPYRIGHT © 2010 BY DART AEROSPACE USA, INC THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC. | |

THE PARTS LISTS IN SECTION 32.15 OF ICA-D412-742 (PAGES 53 AND 55) AND SECTION 5.1 OF IIN-D412-742 (PAGES 16 AND 17) ARE AMENDED AS FOLLOWS WHEN OPTIONAL DSI-9517-011 KIT IS INSTALLED:

32.15 D412-742-011 (PMA/OEM) FLOAT SKIDTUBE INSTALLATION PARTS LIST (ICA-D412-742)
5.1 D412-742-011 (PMA/OEM) FLOAT SKIDTUBE INSTALLATION PARTS LIST (IIN-D412-742)

| Item | QTY -011 | QTY -041 | QTY -015 | PART NUMBER | DESCRIPTION |
|------|-------------|-------------|-------------|--------------|-----------------------------|
| | X | | | D412-742-011 | FLOAT SKIDTUBE INSTALLATION |
| | 1 | X | | D412-742-041 | FLOAT SKIDTUBE |
| | 1 | | X | D412-742-015 | ELECTRIC STEP KIT |

IS:

| | | | | | |
|---|--|----|--|-----------|------------------------|
| 3 | | 10 | | AN3C6A | BOLT (REMOVED QTY.2) |
| 4 | | 4 | | AN3C7A | BOLT (REMOVED QTY.4) |
| 5 | | 38 | | AN960C10L | WASHER (REMOVED QTY.6) |

| | | | | | |
|-----|--|----|--|------------------------------|---|
| 21A | | 1 | | D4095-041 | WEARPLATE ASSEMBLY |
| 21B | | *1 | | *D4096-1 (PART OF D4095-041) | *GASKET (BONDED TO D4095-041, REPLACES D3566-1) |
| 22A | | 1 | | D4095-043 | WEARPLATE ASSEMBLY |
| 22B | | *1 | | *D4096-3 (PART OF D4095-043) | *GASKET (BONDED TO D4095-043, REPLACES D3566-3) |

| | | | | | |
|-----|---|--|--|---------|---------------------------------------|
| 46 | 8 | | | D3403-1 | BUSHING (REPLACED QTY.4 WITH D3403-5) |
| 46A | 8 | | | D3403-5 | BUSHING (REPLACES QTY.4 D3403-1) |

| | | | | | |
|-----|---|--|--|---------|------------------------------------|
| 49 | 4 | | | AN4C52A | BOLT (REPLACED QTY.4 WITH AN4C53A) |
| 49A | 4 | | | AN4C53A | BOLT (REPLACES QTY.4 AN4C52A) |

| | | | | | |
|----|---|--|--|----------|------------------------|
| 53 | 8 | | | D3672-11 | WASHER (REMOVED QTY.8) |
|----|---|--|--|----------|------------------------|

WAS:

| | | | | | |
|---|--|----|--|-----------|--------|
| 3 | | 12 | | AN3C6A | BOLT |
| 4 | | 8 | | AN3C7A | BOLT |
| 5 | | 44 | | AN960C10L | WASHER |

| | | | | | |
|-----|--|---|--|---------|-----------|
| 21A | | 1 | | D3564-1 | WEARPLATE |
| 21B | | 1 | | D3564-3 | WEARPLATE |
| 22A | | 1 | | D3566-1 | GASKET |
| 22B | | 1 | | D3566-3 | GASKET |

| | | | | | |
|----|----|--|--|---------|---------|
| 46 | 16 | | | D3403-1 | BUSHING |
|----|----|--|--|---------|---------|

| | | | | | |
|----|---|--|--|---------|------|
| 49 | 8 | | | AN4C52A | BOLT |
|----|---|--|--|---------|------|

| | | | | | |
|----|----|--|--|----------|--------|
| 53 | 16 | | | D3672-11 | WASHER |
|----|----|--|--|----------|--------|

*BONDING IS ACHIEVED USING 3M 1300/ 1300L SCOTCH GRIP ADHESIVE.

| | | | |
|------------|----------|---|--------------|
| DESIGN | | DART AEROSPACE USA, INC | |
| DRAWN | | PORT HADLOCK, WA | |
| CHECKED | | DRAWING NO. | REV. A |
| MFG. APPR. | N/A | DSI 9517 | SHEET 5 OF 6 |
| APPROVED | | TITLE | SCALE |
| DE APPR. | | ALTERNATE WEARPLATE KIT | NTS |
| DATE | 10.04.21 | <small>COPYRIGHT © 2010 BY DART AEROSPACE USA, INC THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.</small> | |

THE PARTS LISTS IN SECTION 32.16 OF ICA-D412-742 (PAGES 57 AND 59) AND SECTION 5.2 OF IIN-D412-742 (PAGES 18 AND 19) ARE AMENDED AS FOLLOWS WHEN OPTIONAL DSI-9517-011 KIT IS INSTALLED:

32.16 D412-742-013 (APICAL TRI-BAG) FLOAT SKIDTUBE INSTALLATION PARTS LIST (ICA-D412-742)
5.2 D412-742-013 (APICAL TRI-BAG) FLOAT SKIDTUBE INSTALLATION PARTS LIST (IIN-D412-742)

| Item | QTY -013 | QTY -043 | PART NUMBER | DESCRIPTION |
|------|-------------|-------------|--------------|-----------------------------|
| | X | | D412-742-013 | FLOAT SKIDTUBE INSTALLATION |
| | 1 | X | D412-742-043 | FLOAT SKIDTUBE |

IS:

| | | | | |
|---|--|----|-----------|------------------------|
| 3 | | 10 | AN3C6A | BOLT (REMOVED QTY.2) |
| 4 | | 4 | AN3C7A | BOLT (REMOVED QTY.4) |
| 5 | | 38 | AN960C10L | WASHER (REMOVED QTY.6) |

| | | | | |
|-----|----|--|------------------------------|---|
| 21A | 1 | | D4095-041 | WEARPLATE ASSEMBLY |
| 21B | *1 | | *D4096-1 (PART OF D4095-041) | *GASKET (BONDED TO D4095-041, REPLACES D3566-1) |
| 22A | 1 | | D4095-043 | WEARPLATE ASSEMBLY |
| 22B | *1 | | *D4096-3 (PART OF D4095-043) | *GASKET (BONDED TO D4095-043, REPLACES D3566-3) |

| | | | | |
|-----|---|--|---------|---------------------------------------|
| 46 | 8 | | D3403-1 | BUSHING (REPLACED QTY.4 WITH D3403-5) |
| 46A | 8 | | D3403-5 | BUSHING (REPLACES QTY.4 D3403-1) |

| | | | | |
|-----|---|--|---------|------------------------------------|
| 49 | 4 | | AN4C52A | BOLT (REPLACED QTY.4 WITH AN4C53A) |
| 49A | 4 | | AN4C53A | BOLT (REPLACES QTY.4 AN4C52A) |

| | | | | |
|----|---|--|----------|------------------------|
| 53 | 8 | | D3672-11 | WASHER (REMOVED QTY.8) |
|----|---|--|----------|------------------------|

WAS:

| | | | | |
|---|--|----|-----------|--------|
| 3 | | 12 | AN3C6A | BOLT |
| 4 | | 8 | AN3C7A | BOLT |
| 5 | | 44 | AN960C10L | WASHER |

| | | | | |
|-----|--|---|---------|-----------|
| 21A | | 1 | D3564-1 | WEARPLATE |
| 21B | | 1 | D3564-3 | WEARPLATE |
| 22A | | 1 | D3566-1 | GASKET |
| 22B | | 1 | D3566-3 | GASKET |

| | | | | |
|----|----|--|---------|---------|
| 46 | 16 | | D3403-1 | BUSHING |
|----|----|--|---------|---------|

| | | | | |
|----|---|--|---------|------|
| 49 | 8 | | AN4C52A | BOLT |
|----|---|--|---------|------|

| | | | | |
|----|----|--|----------|--------|
| 53 | 16 | | D3672-11 | WASHER |
|----|----|--|----------|--------|

*BONDING IS ACHIEVED USING 3M 1300/ 1300L SCOTCH GRIP ADHESIVE.

| | | | |
|------------|----------|--|--------------|
| DESIGN | | DART AEROSPACE USA, INC | |
| DRAWN | | PORT HADLOCK, WA | |
| CHECKED | | DRAWING NO. | REV. A |
| MFG. APPR. | N/A | DSI 9517 | SHEET 6 OF 6 |
| APPROVED | | TITLE | SCALE |
| DE APPR. | | ALTERNATE WEARPLATE KIT | NTS |
| DATE | 10.04.21 | COPYRIGHT © 2010 BY DART AEROSPACE USA, INC THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC. | |

Marc Bellavance

From: David Shepherd <dshepherd@dartaero.com>
Sent: February 28, 2011 2:42 PM
To: 'Marc Bellavance'
Cc: 'Petsche, Mike'; 'Lacelle, Linda'
Subject: RE: Tri-Beam for Falcon

Follow Up Flag: Follow up
Flag Status: Completed

Marc,

As discussed, I'm not a big fan of the sloppy fit as I think this will allow the wearplate to rotate around the skidtube in service and create a similar problem to what we already had. So, I'm OK with the wearplate you've already made to 0.50", but I would leave the remaining holes at 0.44". If the customer struggles to get it on at 0.44", then we can allow him to open up to 0.50" in the field.

David

From: Marc Bellavance [mailto:mbellavance@dartaero.com]
Sent: Monday, February 28, 2011 6:34 AM
To: Shepherd, David
Cc: Petsche, Mike; Lacelle, Linda
Subject: FW: Tri-Beam for Falcon
Importance: High

Good morning David,

Further to our discussion about this issue last week, we have not covered upsizing the transfer drilled holes on the wearplates per below.
Mike and I are both in favour of upsizing the holes from Ø0.438 to Ø0.500 for ease of installation but you need to know about this change and we still need your OK.

Marc Bellavance
Technical/Shop Support
DART aerospace Ltd.

Tel: 613-632-5200 Ext. 243

Cel: 613-676-0992

Fax: 613-632-9311

E-mail: mbellavance@dartaero.com

Web: www.dartaero.com

Product Documentation: Verify Revision Status/Download [HERE!](#)



Please consider your environmental responsibility before printing this e-mail

The information contained in this transmission is privileged and confidential and intended only for the use of the individual or entity to whom it is addressed. If you are not the intended recipient, you are hereby notified that any distribution, copying, disclosure or taking of any action in reliance on the contents of this transmission is strictly prohibited and review by any individual other than the intended recipient shall not constitute waiver of privilege. If you have received this transmission in error, please notify me immediately and delete the original transmission.

From: Marc Bellavance [mailto:mbellavance@dartaero.com]
Sent: February 25, 2011 11:03 AM
To: Shepherd, David
Cc: Petsche, Mike; Lacelle, Linda
Subject: Tri-Beam for Falcon
Importance: High

David,

Ian is preparing the DSI 9517 alternate wearplate kits by transfer drilling the holes from the mid tube to the wearplates and he is having slight alignment issues. This is mostly due to going Plus One Rockguard on the wearplates (neoprene gasket was being compressed against the saddle and now the harder material is not allowing for that). Ian has oversized the Ø0.438 transfer drilled holes to Ø0.500 to compensate on the first wearplate. Is it acceptable to upsize the hole on all of them?

Also, still about the wearplates with Plus One Rockguard, I believe that we may have to add the neoprene gasket anyway because removing the gasket creates a gap between the wearplates and saddles and upon torquing the nuts on the bolts, the two top hat bushings will meet resulting into a loose assembly. It might also make installer's life easier by upsizing the holes to Ø0.500.

Marc Bellavance
Technical/Shop Support
DART aerospace Ltd.

Tel: 613-632-5200 Ext. 243

Cel: 613-676-0992

Fax: 613-632-9311

E-mail: mbellavance@dartaero.com

Web: www.dartaero.com

Product Documentation: Verify Revision Status/Download [HERE!](#)



Please consider your environmental responsibility before printing this e-mail

The information contained in this transmission is privileged and confidential and intended only for the use of the individual or entity to whom it is addressed. If you are not the intended recipient, you are hereby notified that any distribution, copying, disclosure or taking of any action in reliance on the contents of this transmission is strictly prohibited and review by any individual other than the intended recipient shall not constitute waiver of privilege. If you have received this transmission in error, please notify me immediately and delete the original transmission.